



# भारत का राजपत्र

## The Gazette of India

साधिकार से प्रकाशित  
^UBUSHtO BT AUTNOftITf

सं० 33]

तई दिल्ली, शनिवार, अगस्त 16, 1997 (श्रावण 25, 1919)

No. 33].

NW DELHI, SATURDAY, AUGUST 16, 1997 (SRAVANA 25, 1919)

इस भाग में निम्न पुष्ट संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## Part III—Section 2

## IPART III—SECTION 2]

**प्रेटेन्ट कार्यालय द्वारा जारी की गई प्रेटेन्टों और डिजाइनों से सम्बन्धित अधिकारों और नोटिस।**  
(Notifications and Notice:, Issued by the Patent Office relating to Patents and Designs]

## THE PATENT OFFICE

## PATENTS AND DESIGNS

At Calcutta, the 16th August W7

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THE PATENT OFFICE

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Floor, 234/4, Acharya Jagadish  
Bose I^ad, OiicuLtn-7U0 020.

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All applications/notifications or other documents  
or any fees required by the Patents Act, 1970 or the Patent  
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पेटेंट कार्यालय  
एकस्व तथा अभिकल्प  
कलकत्ता, दिनांक 16 अगस्त 1997

पेटेंट कार्यालय को कार्यालयों के पास एवं भौतिकशार तथा पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुख्य, विल्सी एवं चेन्नई में इसके शास्त्र कार्यालय हैं, जिनके प्रावर्तीकरण भौतिकशार औन के आधार पर निम्न रूप में प्रवर्णित हैं :—

पेटेंट कार्यालय शास्त्र, टोडी इस्टेंट,  
तीसरा तल, सोबर पर्सेन (प.),  
मुख्य-400 013.

गुजरात, महाराष्ट्र, अस्थ प्रदेश  
तथा गोवा राज्य क्षेत्र एवं राज्य  
शासित क्षेत्र, दमन तथा दीव एवं  
आदर और नगर हवेली।

तार पता-“पेटेंटिप्स”

पेटेंट कार्यालय शास्त्र,  
एलक सं. 401 से 405, तीसरा तल,  
मगरपालिका बाजार भवन,  
मरस्वती मार्ग, करोल बाग,  
मद्देश विल्सी-110 005.

हरिहाणा, हिमाचल प्रदेश, अस्म  
हथा कशीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा विल्सी राज्य  
भौत्री एवं राज्य शासित क्षेत्र चंडीगढ़।

तार पता-“पेटेंटिप्स”

#### CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-in, Sec-2 dated 23rd May 1997, notified on 21st June 1997 read the Patent No. 177063 instead of 177192 aa the numbernK was erroneously made.

APPLICATIONS FOR PATENTS FILED AT  
THE PATENT OFFICE BRANCH,  
WING C (C-4 'A'), 11RD FLOOR,  
RAJAIJI BHAVAN, BESANT NAQAR.  
CHENNAI-600 090.

28th April, 1997.

878/Mas/97. V-Guard Industries Limited- A device for controlling the level of liquids,

879/Mas/97. Dharapuram Krishnajuyrao Murali. Method of making and use of composite cloth for natural cooling of person.

880/Mas/97. Kanakuppi Sadashivappa. Thermal cutting of plate glass.

881/Mac/97. Kusum Chandretmpta. A bin for active disposal of garbage and effluents.

पेटेंट कार्यालय शास्त्र,  
विंग सी (सी-4, ए)  
तीसरा तल, राजाजी भवन, असन्त नगर,  
मुख्य-600090।

आन्ध्र प्रदेश, कर्नाटक, करेन, हैमनन्ड  
तथा पाण्डुचेरी राज्य क्षेत्र एवं  
राज्य शासित क्षेत्र, लक्ष्मीप, मिनिकाम  
तथा एमिनिवित्र-द्वीप।

तार पता-“पेटेंटिप्स”

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, शिवतीय बहुतीय कार्यालय  
भवन, 5, 6 तथा 7था तल,  
234/4, आधार्य जगवीश ओस मार्ग,  
कलकत्ता-700 020.

भारत का अधीक्षण क्षेत्र।

तार पता - “पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 अप्रैल क्षेत्र सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाते हैं।

शुल्क : शुल्कों की अदायगी या को नकद की जानी जप्ता उपर्युक्त कार्यालय में नियंत्रक को भूगतान योग्य भनात्तेज जप्ता जाक आदेश या जहाँ उपर्युक्त कार्यालय अवस्थित है, उस रेग के अनुसूचित बैंक से नियंत्रक को भूगतान योग्य बैंक ड्राफ्ट जप्ता बैंक द्वारा की जा सकती है।

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KK8/Mas/97. Diane Lee Packett; John Robert Bipes; David Urtpp, erryant fid Ailenc Gnrdrner Phllir;<. Pro-cesses for nrodi't-inp ajkenals find alkenols,

8f\*V/A,1-j/97 b1,"n- l.v 'Pac"tf!.t- inl'n Pohct Hripr; David Robert Rrvnfc and Ailenc Gardner Phillips, Pro-cesses for producing 1,fi-hexanediols and deriva-tives.

890/Maa/97. Diane Lee Packett; John Robert Brisas; David Robert Bryant and Ailene Gardner Phillips; David James Shreck; Anil Sakharam Guram; Kurt Dawar Olson and Thomas Carl Eisenschmid. Processes for producing alkenols.

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895/Mas/97. British Telecommunications Public Limited Optical dock division. (May 8, 19%; United Kingdom).

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PIM/Mas/97. KJmberly Clark Worldwide, Uic., Stable land breathable films of improved toughness and method of making the same. (December 27, 1996; U.S.A.)

C05/Ma»/97. Lucent Technoloifa Me. message piotocol tor use In a telecommunications network.

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l»t May 1997

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S3-t/fus/97. Mohan P<sup>r</sup>thh»atwthy, Three dimendonal cfa«w (3-Di Cb«\*).

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\$3i6/MW97 AT LV T Cop. Self-testing transceiver.

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Q3S/Mas/97 AT & T Cuip.- System; and method for dynamic time division access\*.

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1J44/Mas97-Ma3chinena!i)k Rieki Ad. Web take off for a carding "machine. (Mny 9, 1996; Germany).

'942/Mas/97 Riapiijo Wnagn-iind M:iichinenfatrik'GmbH. Baking mold, (May K. 19\*6; Gti'JTiany).

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947/Mas/y7 Sni.Jn liiloiii'-tior.-dlc Rt.-sc:irch Mun.ti\$chappij D.V. ,ippj!-i:t:ls and, meihod Ioi the sepan'on and licipiing of fluid catalyst ciackirtg of particks, norn guseoii.i hyjrocinbonsi . (May R, IV 1996; U.S.A.).

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948/Mas/97 NiJinfjindnin Ji.-ulluritijn Go-vniJniujvili. Spiing injltrws.

949/Mas/97 Na!i:iiidiln liulhariiju fiuvipiliitajulii, Ctu n! Jtrejis.

950/Mas/97 loy An^ustii:. Accunsut pselingl jn:<hine.

9^1/Mas-/97 Kimberly-Claik Worldwide Inc. M\*thod for making high, bulk. v>ot-prtsicU tissue. (May li, 1996; US.A.).

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9J3/Mas/97 Phwirla Facitic Pty. ltd, An iiilerfrion containing niodkament. (Mjy 9, 1996; An'tralia).

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?55/Mas,97 Saciet'i dg'd Pioudit\* Nestle S.A. Prepanition of pasiiK. (MaV JS. 19V6: United StuU).

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7th May 1997

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965, Mas, 97 The Colorox Company. Sequsterant\* a\* hypochlorite bleach enhancers. (May 10, 1996; U.S.AO.

•>M/Mas/97 Kiraberjy-Ckiik Worldwide Inc. Process for thi preparation of absdrbant materials,

% 7/Mas/97 Novo No'rdiak—A/S\*. Artimicrobml peroxidas\* compositions. (May 9, 1996; Dcnmairk),

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969/Mas/97. Kimberly-Clark Worldwide Inc, Method and apparatus for making soft tišeue. (May 14, 1996; U.S.A.),

970/Mus/97. Novo Nordisk A/S., Cryjrtalin (-) - JR, 4R-trtinR- 7-metboxy-2, 2-cumethyl-3-phenyl-4. [4-(2-pyrioli,rin-l-y) ethoxyphenyl] chromarie.- hydro> acn fumnnitte. ( lay 8, 1996; Denmark).

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8th May 1997

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97? Mav. 97, SMS Schloemann-Sitmii^" Aktciypesallschaft. Method of cooling sectjonal girders. (May 15, 1996; Germany).

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^th ^May 1997

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>82/Mas/97. Pals Fibres Products (P) Limited. "A hard board" manufactured using natural coir fibres and phenolic resin.

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986/Ma»/97. Barnard !>t«wjrl Silver. PIODJSSCK for extracting sugars from dates and for making novl food products. (April 3, 1997; United States).

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996/Mas/97. YKK Corporation. Molded surface fastener with backing and method of manufacturing the same. (May 23, 1996; Japan).

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997/Mat>/97. Yoshitaku Aoyama, Electrode for weldfnt. (May 11, 1996; Japan).

998/Man'97. Kabushiki Kaisha Toyoda Jidoshokki Selsakusho. Method for preventing thread breakage in spinning, frame and controlling apparatus (or spinning frame, (May 13, 1996; Japan).

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30-9-96

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1-10-96

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3-10-96

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4-10-96

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## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Pat-nrsi Rules, 1972 before the expiry of the said period of four months, given notice the Controller of Patents at the appropriate office on the prescribed Formal 5, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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## स्वीकृत सम्पूर्ण विनिदेश

एतद्वारा यह सचना की जाती है कि समादध आवेदनों में से किसी पर पटेट अनुदान के विरोध करने के लकड़क कोइ ध्याक्त, इसके निर्माण की निधि से चार (4) महीने या अधिक एसी अधिक जो उक्त 4 महीने की अधिक की सारांश के पर पटेट नियम, 1972 के तहत विहित प्रपत्र 14 पर आगेरह एह महीने की अधिक स अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपस्थित आर्थिक एसी विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्ताव्य, उक्त सूचना के साथ अथवा पटेट नियम, 1972 के नियम 36 में यथा विहित इसकी निधि के रूप महीने के भीतर ही फाइल किए जाने आहिए।

"प्रत्येक विनिदेश के संदर्भ में नीचे दिए गयींकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुस्य तथा ।"

लूपकन (जिन आरेखों) की फोटो प्रतियां एवं तोहं हो, के साथ विनिदेशों की अंकित अथवा फोटो प्रतियां की आपूर्ति पटेट कार्यालय, कलकत्ता अथवा उपर्युक्त शास्त्र कार्यालय द्वारा विहित लिखान्तरण प्रभार जिसे उक्त कार्यालय से पात्र-शास्त्रद्वारा सुनिश्चित करने के उपर्यन्त उसकी अदायगी पर की जा सकती है। विनिदेश की पाठ मूल्य के साथ सम्बंध स्वीकृत विनिदेश के सामने नीचे वर्णित जिन आरेखों को जड़कर अ? मैं गण करके, (कर्तव्यक इष्टक दृष्ट का लिखान्तरण प्रभार 2/- रु. 3/-) कोटों लिखान्तरण प्रभार का परिकल्पन किया जा सकता है।

Ind. Cl. : 55-F

179041

Agent : DePenning &amp; DePenning, Madras.

Int. Cl.\*: A 61 K 9/00

## A METHOD OF MAKING AN INJECTABLE ULTRASOUND CONTRAST AGENT.

Applicant : BRACCO RESEARCH S.A., A SWISS COMPANY, OF 7, ROUTE DE DRIZE, CH-1227 CAROUGE-GENEVE, SWITZERLAND.

Inventors: (1) YAN FENG, SUISSE. (2) SCHNEIDER MICHEL, SUISSE. (3) BROCHOT JEAN, FRANCE.

Application No. 1166/Mas/94 dated November 24, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch,

## 10 Claims

A method of making an injectable ultrasound contrast agent comprising of a suspension of gas filled microbubbles or microballoons in a physiologically acceptable aqueous carrier comprising usual surfactants additives and stabilisers, characterised in that the «gas is a gas mixture of at least two biocompatible gases A and B in which at least one gas (B) present in an amount of between 0.5—41% by vol. has a molecular weight greater than 80 daltons and its solubility in water is below 0.0283 ml of gas per ml of water measured under standard conditions the balance of the mixture being gas A, the minimum effective proportion of the gas component (B) in said mixture of gases being determined according to the criteria.

$$\frac{B}{C} \% = \frac{K}{e^{\frac{bM_{wt}}{C}}} + C$$

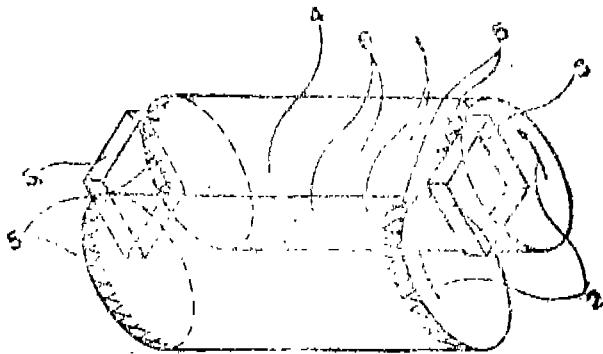
in which  $B$ , % "by vol." is the total quantity of the component B in the mixture, K, C and b are constants with values of 140, —10.8 and 0.012 respectively,  $M_{wt}$  represent the molecular weight of the component B which is 80.

Ref. cited : EURO PATENT No. 554,213.

Agents : M/s. DePenning &amp; DePenning.

(Com. 32 pages;

Drwg. 6. sheets)



(Com. 16 pages ;

Drwgs. 1 sheet)

Ind. Cl. : 134'A

179043

Int. O-4 : F 01 N 7/08

## AN EXHAUSTIVE SYSTEM FOR BUSES, TRUCKS, LORRIES AND LIKE AUTOMOBILES.

Applicant : RAMANUJAPURAM TIRUNARAYANA IYENGAR KRISHNA, AN INDIAN CITIZEN, NO. 65/L "I FLOOR", 'KANNIKA', 8TH CROSS, MALLIGHWARAM, FANGALOR &amp; 560 003, KARNATAKA STATE, INDIA.

Inventor : RAMANUJAPURAM TIRUNRAYANA IYENGAR KMSHNA.

Application No. 707/Mas/90 filed on 5th September 1990.

Complete Specification date : 3 December 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Brf-ch.

## 2 Claims

An exhaust system for buses, trucks, lorries and like automobiles characterised in that the exhaust tubes are provided vertically so as to allow the exhaust gases to go approximately ten feet above the ground level, the said exhaust tube is a leak proof tube the emission end of the vehicle exhaust pipe being placed in the vertical tube.

EP 0459249

Agent : Mr. A. V. Nathan.

(Com. 15 page\*

Drwgs. 2 sheets)

Ind. Cl. : 33-A

179042

Int. Cl. : B 22 D 11/14

## A ROLL FOR A DEVICE FOR THE CONTINUOUS CASTING OF THIN METAL PRODUCTS ON ONE ROLL OR BETWEEN TWO ROLLS.

Applicant : USINOR SACLOR, OF 4 PLACE DE LA PYRAMIDES, LA DEFENCE, 9, 92800 PUTEAUX, FRANCE, A FRENCH COMPANY.

Inventors: 1. BLIN PHILIPPE, 2. SOSIN\*LAURENT, 3. LOISON DOMINIQUE,

Application No. 883/Mas/90 filed on 5th November, 1990.

Appropriate Office for Opposition Proceedings\* (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

## 6 Claims

A roll (or a device for continuous casting of thin metal products on one roll or between two rolls, characterized in that, cylindrical casting surface of the roll is divided into at least three circumferential zones, at least one (5) of said zones having a roughness which is greater than the roughness of the other zones (6).

Ind. Cl. : 27 I

179044

Int. Cl. : B 29 C 55/00

## A METHOD OF PRODUCING A GEOGRID.

Applicant : PLG RESEARCH LIMITED, 1, ROTTISH COMPANY OF CENTRAL BUILDINGS, 1 PHM0ND TERRACE, BLACKBURN, LANCASHIRE BB1 7AP ENGLAND.

Inventors: 1. MERCER FRANK BRIAN, "NGLAND, 2. MARTIN KEITH FRAZER, ENGLAND, 3. CARDNER THOMAS KENNETH, ENGLAND,

Application No. 723/Mas/90, filed on 13th, September, 1990.

Convention date : September 14, 1989 (No. )f?O843.3 Or. Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

## 27 Claim\*

A method of producing a geogrid, comprising molten integral plastic starting material which is substantially

unoriented except for the presence of any melt-flow orientation and having at least 6 mm thickness at its\* thickest point; the said integral plastics starting material consisting of spaced, parallel, continuous longitudinal elements with plurality of iflcronneai/i; elements spaced along the length of each said longitudinal elements interconnecting said longitudinal elements, the said interconnecting elements and the said longitudinal elements defining holes, notional starting material junction zones defined between notional longitudinal tangent lines extending parallel to the longitudinal elements and tangent to respective holes, and notional transverse tangent lines extending parallel to the interconnecting elements and tangent to respective holes, the notional longitudinal tangent lines defining the lateral edges of the longitudinal elements, the mean thickness of the longitudinal elements being substantially greater than the mean thickness of the interconnecting elements as seen in section normal to the starting material along the axes of the centre lines of the interconnecting elements, the area of the longitudinal elements being at least 2.5 times the area of the interconnecting elements as seen in said section and stretching the starting material in a direction parallel to the longitudinal elements to stretch the longitudinal elements into continuous, substantially uniaxially-oriented strand\*\* with the orientation extending substantially parallel to the axes of the strands substantially throughout the length of the strands, and forming a mesh structure in which mesh openings are defined by a grid comprising the interconnecting elements and the continuous oriented strand, there being a plurality of interconnecting cements spaced along this length of each continuous oriented strand, the stretching being continued until the centres of the notional junction zones have reduced in thickness by at least 9.6%, the stretching being 'let ruined' while the centres of the notional junction zones have undergone a percentage reduction in thickness substantially less than the percentage reduction in thickness of a strand entering the respective notional junction zone, as measured midway between respective notional junction zones.

Agent : DePenning & DePenning.

(Com. 5i; pages;

Drwgs. 12 sheets)

Ind. Cl. : 206 E

-79045

Int. Cl. 4 : G 06 F 7/00

#### A DATA TRANSFER SYSTEM.

Applicant: KOMMUNEDATA I/S A DANISH NON-LIMITED COMPANY OF VESTER SOGADE 10 DK-1601 COPENHAGEN V DENMARK.

Inventors: 1. JORGEN BJERRUM, DENMARK. 2. STEEN UTOSEN, DENMARK. 3. SVEN KJAER MELSEN, LVNMARK.

Application No. 8i2/Mas/90, filed on October 15, 1990.

Convention date : May 29, 1990 (No. 1929/90; Ireland).

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch,

#### H Claims

A data transfer system for transferring data from a first computer system (100) to a second computer system (200), said data transfer system comprising

a data transmission line (128, 228),

first and second electronic cards (124, 224),

a first station (122) for outputting data from the first electronic card (124), the first station (122) being connected to and communicating with the first computer system (100) and furthermore being connected to the data transmission line (128, 228) through the first computer system (100) and interfacing means, and

a second station (222) for outputting data from the second electronic card (224), the second station (222) being connected to and communicating with the second computer system (200) and furthermore being connected to the data

transmission line (128, 228) by the second computer system (200), and interfacing means,

the first and second electronic cards (124, 224) being chip cards which are detachable from the first and second station (122, 222) respectively,

the first and second electronic cards (124, 224) each comprising a central data processing unit, an input-output gate for communication with its respective station (122, 222), an encryption/decryption means as well as an internal storage, said first and second electronic cards (124, 224) together constituting a coherent set of electronic cards (124, 224) comprising coherent secret key(s) previously stored in the internal storages of the cards (124, 224) and comprising coherent encryption/decryption keys, said encryption/decryption keys being like coherent secret keys themselves or being generated by the secret keys and being input into the internal storages of the electronic cards (124, 224), and laid encryption/decryption keys being used for encryption/decryption of the data.

Agent : DePenning & DePenning.

(Com. 54 pages ;

Drwgs. 4 sheets)

Ind. Cl. : 3G-A,

179046

Int. Cl. 4 : F 04 D 29/35

#### A ROTOK BLADE FOR USE WITH AXIAL-FLOW MACHINES.

Applicant : KIITSUBISHI JUKOQYO KAEISIBIKI KAI-SHA, A JAPANESE BODY CORPORATE OF 5-1 MARU-MOUCHI 2-CHOME, CHIYODA-KU, TOKYO. JAPAN.

Inventors : 1. NOBUYUKI YAMAGUCHI 2. MITSU-SHIGE GOTO 3. TSUNEYOSHI WITSUHARA-II.

Application No. 816/Mas/90 filed on 16th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims

A rotor blade for use with axial-flow-machines, said rotor blade comprising a blade body having a leading edge of a tip end portion thereof which is inclined forward and also extends in the direction of rotation towards a tip end surface of the blade body, and wherein the configuration of the leading edge of said tip end portion between said tip end surface and a cross section of the blade body displaced from said tip end surface towards a central portion of the blade body by 1/2 of the chord length of said tip end surface is such that an angle S of skew thereof over which the leading edge of said tip end portion advances in the direction of rotation, and an angle Qs off over which the leading edge of said tip end portion is inclined forward fall within a graphed region of angle S vs. Qs delimited by the following 4 points A, B, C and D :

	A	B	C	D
S	90°	50°	50°	90°
Qs	4°	12°	21°	27°

Agent : DePenning & DePenning.

Com. 19 pages ;

Drawgs. 5 sheets)

Ind. Cl. : 154-H

179047

Int. Cl. 4 : B 41 M 3/00

#### AN APPARATUS FOR PRINTING A DESIGN OR MOTIF ON THE SURFACE OF A METAL HOLLOW BODY AND A METHOD FOR PRODUCING PRINTED METAL BODY.

Applicant : OECORH LIZHNZ AO ROTZBERGSTRASSE 7, CH-6362 STANSSTAD. SWITZERLAND.

Inventor : BERNARD ANDREAS- SCHWYN.

Application No.'839/MaB/90 filed on 19th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch,

## 24 Claims

An apparatus for printing a design or motif on the surface of a hollow metal body, such as a can body, having a jet-staff-affinitive coating thereon by thermal transfer of said design or motif printed on an auxiliary carrier with sub-Wmable' organic dyestuffs, the said apparatus comprising "a vertically disposed turntable (11) movable in cycle steps, Inandrels (19) at the "outer periphery of the turntable (11) perpendicular to the face of the turntable, for holding bolloV bodies (26), holding fingers (24) cooperating with the innerjdxels (19), a wrapping station (14) for wrapping auxiliarily carriers (20) around the hollow bodies (26), and at least one heating station (15) at the downstream of the wrapping station (14) in the direction of rotation of the turntable (11), for initiating the thermal" transfer printing.

Ainont : DePenning &amp; Depenning.

Copajfl, 25 Pages<sup>1</sup>;

DilaWgs. 3 sheets.)

Injl. Id. : ISO C

179048

Inl. CB : F 16 D 1/00

## A RESILIENT SHAFT COUPLING SUITABLE FOR DRIVE UNITS SUCH AS DIESEL ENGINES.

Applicant : HACKFORTH GMBH &amp; CO., KG OF HEERSTRASSE 66 4690 HERNE 2 GERMANY, A GERMAN COMPANY.

Inventors : 1. MANFRED LUNKE, GERMANY; 2. XJLRICH FALZ, GERMANY; 3. JURGEN WALTER, GERMANY.

Application No. 847/Mas/90 filed on 24th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent?, Rules, 1972), Patent Office, Madras Branch.

## 4. Claims

A resilient shaft coupling- suitably for drive units such as diesel engine, the said resilient shaft coupling'comprising a hub (1) on the input or output side, a connecting ring (2) for the respective other side, and a series connection of identical resilient annular intermediate members (A, B and C)'providing rottonally Resilient connection of hub (1) kidl connecting ring (2), each ' said annular intermediate member being formed from two ring halves situated adjacently axially in the manner of a minor image, of which each half has outer metallic annular discs (12, 13) which are assembled from ring segments, the facing areas of axially aligned portions of the ring segments (14) which are vul- esuUed onto them and which in the axial plane have a generally trapezoidal cross-section with an outwardly increasing width, the said ring segments of the one ring half being staggered, the adjacent metallic annular discs (12, 13) of the two ring halves end the- adjacently situated annular intermediate members" (A, B and C) being clamped together et their circumferential edges (15), a- metallic annular dia- phragm (21 or 22) being clamped-between the circumferential edges (15) of each pair of axially adjacently situated unnnar intermediate members (A, B and C) with the bore of the diaphragm closely surrounding and supported against the hub (1) for making the- said coupling rigidly immovable in the radial direction and movable in axial and angular direction.

Ajeat: tJePenning &amp; DeP«nninB-

(Com, 15 p&amp;%M',

Drwgs. 2 sheets)

Ind. Q. : 39C

179049

Int. CM': C 01 C 1/248

## PROCESS AND APPARATUS FOR THE ENLARGEMENT OF THE SIZE OF AMMONIUM SULFATE CRYSTALS.

Applicant: BASF CORPORATION, A \*TS CORPORATION 8 "CAMPUS DRJVE, PAJ.VJIPAH.V, tf.J. 07054, U.S.A.

Inventors : WALTER , G. THOMSON - JONATHAN K. KRAMER.

Application-No. .599-/M.is/91 Hied'on /lh 'Uigust 1991.

Appropriate OHce for OppensiLion Proctbetjurpn (Rule 4, Patents, Rujes, 1972), Puleal Gt'i.o., Miji-as ^jjncli.

4 Claih.<sup>TM</sup>

A process for enlargEment of (he avcrnse size of ammonium sulfato crystals which comprises :

(a) spraying a feed of ammonium sulfate crystals having an average size of from 0.15-10 O.-^ mm in a concentrated, aqueous ammonium sulfate solution at a temperature from 95°C to 110°C, the auaact time of the crystals descending against a counter-current flow of gas, which retards the rate of decent of the feed a>;,K with the concentrated ammonium sulfate solution being suffi- i-nt lo iealt in enlarged ammonium sulfate crystals III;V.II; LIJ avcregj size of at least 1.0 mm ; and

• (b) heating the-enlarged ammonium, s'llfitu fryr.luls. at a temperature from 110 to 125°C, descending against the counter-current flow of gas, to reduce their water content to not higher than 1 % by weight.

2. An apparatus\* for enlarging n.i. i.i'ni s.llfue crystal by the method as- claimcu in rlin 1, comii.t.cs :

(a) a first chamber for receiving a feed of umr.vjiliu 8>ilfale crystals at one end and dischargin;- L-i.qlrgot ammonium sulfate crystals of relatively higli watur tontent at its other end ;

(b) Spraying means for spraying on aqueous ammonium sulfate solution into the first ch.imber lo cupi:ut a substantial number of individual ammonium sulfate feed crystals.

(c) Providing means for providing a current fil pas in the first chamber which flows- counter to th. How of ammonium sulfate crystals therethroigb ;

(d) Heating means for heating the rimme/iium sulfate feed crystals in the first chamber "at loist v/hrn such crystals are contacted with the arnmonjiim iun'-ite" solulion which undergoes at least partial dr/i", on th. fqr-d crystals, resulting in enlarged ammonium sulfate crj^Liis of iilatvejy high water content;

(e) a second chamber for receiving enlaited ammonium sulfate crystals of rblatively high water coiUr.it discharged from the first chamber. at one end and discharging enlarged, dried ammonium sulfate' crystals at the other end ;

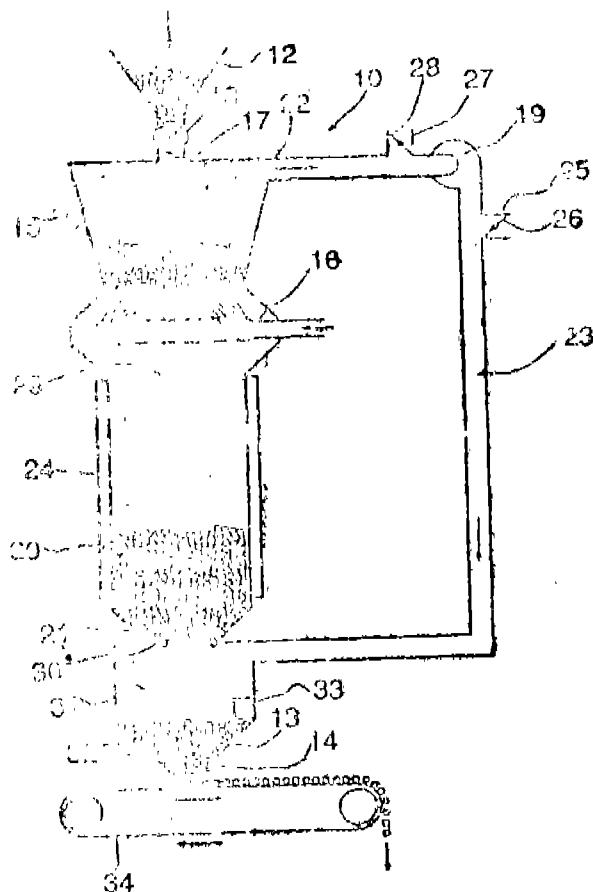
(f) providing for providing a current of gis in the second chamber wllicK flows counter to the (low OH> enlarged ammonium sulfate crystals therethrough.;

(g) heating means for heating the enlarge! ammonium-sulfate crystals in the second chamber to reduce the water content of the crystals;

(h) a- tKird chamber for receiving fn!ar'Ld ammonium sulfate crystals of reduce Water content discharged from the second chamber at one- end, in an amount sufficient to prevent significant leakage of the gas from the apparatus;

(i) conveying means for transferring enlarged ammonium, sulfate 'crystals of reduced water -content away from the third chamber.

Rcf, cited : U.S. Patent Nos. 1266212, 1919707, 2043067, 2092073, 2099079, 2102107, 2178082, 2226101, 2228742, 2368901, 2423794, 2805125, 2874028, 2895800.



Agent : M/s. DePenning & DePenning.

(Comp. 11 pages;

Dwg. 1 sheet)

Ind. Cl. : 83 B^

179050

Int. Cl. : A 23 L-1/39

A METHOD OF MAKING A NEW SAUCE KNOWN AS BRAAI SAUCE, PARTICULARLY FOR USE WITH PIZZAS, PASTAS, AND FOR FLAVOURING OR NISHING FOOD DISHES.

Applicants & Inventors : DR. NEETA SARAIYA, INDIAN NATIONAL, OF 7, HIRAKUNJ, AAREY ROAD, GOREGAON (W), BOMBAY-400 082, MAHARASHTRA, INDIA AND DK MOHAN DEWAN, INDIAN NATIONAL, OF 78, PODAR CHAMBERS, S. A. HRELVF ROAD, FORT, BOMBAY-400 001, MAHARASHTRA, INDIA.

Application No. : 141/Bom/1995 filed on 29-3-1995.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

1 Claim

A method of making a new sauce known as braai sauce, particularly for use with pizzas, pastas, and for flavouring/purinizing food dishes, which comprises mixing together 60 to 80 percent by mass of tomato puree/tomato paste/tomato ketchup, with 10 to 15 per cent by mass of H. P. Sauce and 3 to 5 percent by mass of Worcester sauce;

homogenising the mixture in a blender;

mixing together 1 to 3 percent by mass of Monosodium glutamate, common salt, and ground black pepper to form a homogeneous powder; adding the homogeneous powder to

the homogenised sauce mixture; mixing together 3 to 5 percent by mass of garlic paste with 0.5 to 1 per cent by mass of chilli extract;

adding the garlic paste and chilli extract mixture to the sauce mixture and blending the same to obtain braai sauce.

(Compl. Specn. 4 pages;

Drws. Nil.)

Cl. : 47 A C F

179051

Int. Cl. : C 10 B 25/08, 25/00, 25/18.

AN IMPROVED DRAFT CONTROL SYSTEM IN COMBINATION WITH A NON-RECOVERY COKE OVEN BATTERY AND A METHOD FOR PRODUCING COAL USING SAID SYSTEMS.

Applicant : SUN COAL COMPANY, OF 4711 OLD KINGSTON PIKE, KNOXVILLE, TENNESSEE 37939-0388 UNITED STATES OF AMERICA.

Inventors : 1. JAMES HARVEY CHILDRESS, 2. STEVE EDWARD NEW BERRY.

Application No. : 685/Cal/1991 filed on 10th September, 1991

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972 JV Patent Office Calcutta,

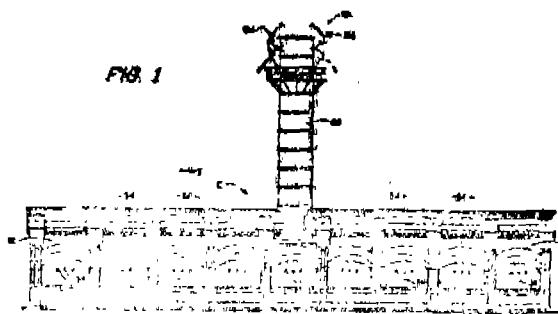
16 Claims

An improved draft control system in combination with a nonrecovery coke oven battery for producing coke from coal comprising a plurality of elongated coking ovens having open ends normally closed by a removable door and constructed in side-by-side relation with adjacent ovens separated by common sidewalls, a separate system of sole flues extending beneath each opposite portion of each oven, a plurality of down-comers in each of the common sidewalls connecting the upper portion of each adjacent oven to one of the sole flue systems beneath that oven, a plurality of uptakes in each common sidewall including at least one uptake connected to one of the sole flue systems beneath each adjacent oven, an elongated common exhaust tunnel extending above and transversely of the ovens in the battery, a stack connected to the exhaust tunnel and extending upwardly therefrom, and insulated duct means connecting the exhaust tunnel to the uptakes to provide a continuous gas flow path from each oven through the down-comers, sole flue systems, uptakes, insulated duct means, exhaust tunnel and stack to the atmosphere, the improvement wherein said draft control system comprises,

a separate insulated duct means connected between said exhaust tunnel and said at least one uptake connected to each sole flue system,

draft regulating valve means connected in each insulated duct means, each said draft regulating valve means including a refractory lined valve body having a downwardly directed opening formed therein, a movable refractory plate valve member mounted for vertical movement through said downwardly directed opening;

and first power means connected to said refractory plate valve member, said first power means being operable to raise and lower said refractory plate through said opening in said valve body to control the flow of gas through each insulated duct independently.



(Compl. Specn. 25 pages;

Drgs. 3 sheets.)

Cl. : 51 C

179052

Int. Cl. : A 47 J 17/02.

## FRUIT OR VEGETABLE PEELER OR SHELTER.

Applicant : NIGHTINGALE KENNY INTERNATIONAL PTY LTD., OF C/SUITE 4, 21 STATION ROAD, INDOOROOPILLY, QUEENSLAND, 4065, AUSTRALIA.

Inventors : PAUL OSWALD NIGHTINGALE.

Application No. : 554/Cal/1992 filed on 4th August, 1992.

(Convention No. PK0910 on 14-2-92; PK7631 on 7-8-91 &amp; PK&amp;701 on 2-10-91 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972J, Patent Office Calcutta.

## 6 Claims

A fruit or vegetable peeler or shelter including :

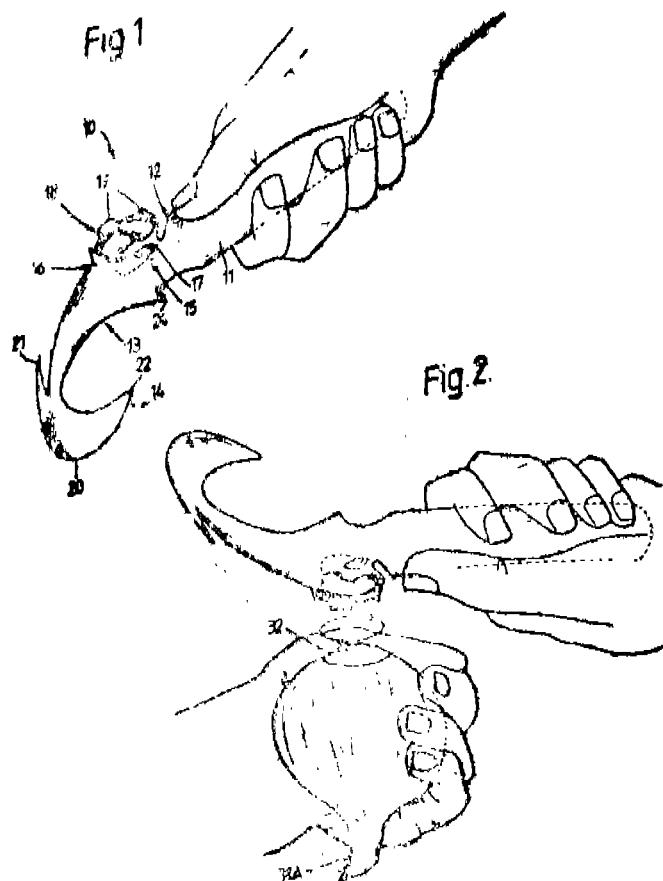
a handle having a portion to be gripped;

a neck portion extending from the handle;

• a first blade extending laterally from the neck portion to score or cut the peel or skin of a fruit or vegetable;

a second blade on the neck portion to form a circular cut or core around a core or end of the fruit or vegetable; and

a third blade at the distal end of the neck portion, spaced from the handle portion to be gripped, engageable under the peel or layer or shell of the fruit or vegetable to lift and remove the peel, layer or shell as the third blade is advanced, wherein the second blade incorporates a cutting blade assembly having four cutting edges arranged in a circle to form a circular cut when the handle is rotated through at least 90°. And said cutting blade assembly extends upwardly, from the neck portion which connects the third blade to the handle.



Cl. : 134 D

1740^3

Int. Cl.\* ! P 16 H 3/08.

## A DEVICE FOR CONTROL OF A SPLITTER ACTUATOR OF AN AUXILIARY TRANSMISSION.

Applicant : EATON CORPORATION, OF 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114 UNIT F.I' STATES OF AMERICA.

Inventor\* :

- (1) ROGER ALLEN GRAVES, JR.,
- (2) WILLIAM JOSEPH MACK.

Application No. : 916/Cal/1992 filed on 24th December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 9 Claims

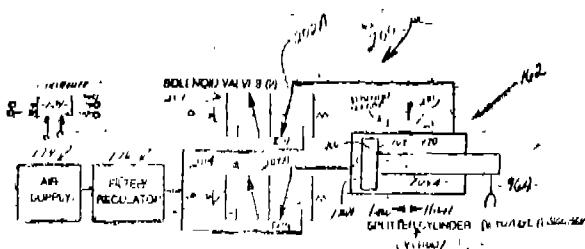
A device (200) for control of a splitter actuator of an auxiliary transmission section (114) of an automated vehicular transmission system (100) comprising a compound transmission (110) comprising a main transmission section connected in series with an auxiliary transmission section (114) having a high-speed auxiliary section ratio and a low-toed auxiliary section ratio, nonsynchronized jaw clutch means (96) for engaging one of said auxiliary section ratios, a two-position fluid actuated actuator (162) for shifting the auxiliary section to a selected one of the high-speed and low-speed ratios, the said actuator comprising a differential area piston (166) with a first piston face (170) for generating a force to urge engagement of said high-speed ratio and a second piston face (168) smaller than and opposed to said first face for generating a force to urge engagement of said low-speed ratio, a position sensor (201) for sensing said actuator is in either the high-speed ratio engaged position, the low-speed ratio engaged position or an intermediate position signals indicative thereof, a fuel controlled engine (E) drivably connected to said transmission, a fuel controller (128) for controlling the amount of fuel supplied to said engine a first two-position control valve (204) for selectively, the control system (200) for automatic shifting of a two speed splitter section comprises a two-position differential area piston actuator (162) connected to the splitter clutch (96) and connected to pressurized air supply (174) and solenoid control valve (176) through two solenoid control valves (202, 204), a control unit (124) for receiving input signals from said position and rotational signals and for processing same according to predetermined logic rules to generate common output signals to said fuel controller and said first and second valves, means (187) effective upon sensing a selection of a shift from said low-speed to said high-speed ratio for causing both said first and said second valve to assume the pressurizing positions thereof, for monitoring the position of said actuator and for calibrating said fuel control to reduce the supply of fuel to said engine, characterized in that the two position three-way valve (202, 204) each provided with a controlled port (207A, 204A) respectively for connection either to regulated air (174, 176) or to exhaust valve (202) connected to the actuator chamber (168A) and valve (204) connected to actuator chamber (170A) and both the said valves (202, 204) are independently operable and controlling the pressurization or exhaust of actuator chambers (168A, 170A) wherein:

(a) If the actuator is sensed as moving to the high-speed ratio engagement position, for returning fuel control to the operator and for retaining the first valve in the pressurized position for at least the predetermined time, then for causing both valves to assume the exhausting position thereof, or

(b) If the actuator is sensed as moving to and remaining in an intermediate position, causing both valves to move to the exhausting position thereof, for causing the fuel control to fuel the engine to rotate a target synchronous rotation until the synchronous rotation of the high-speed ratio clutch is sensed, for causing at least the first valve to assume the pressurized position, then when the actuator is sensed,

moving to the high-speed ratio engagement position thereof, for returning fuel control to the operator and for retaining at least the first valve in the pressurized position for pre-

determined time, then for causing both Valve; to assume the exhausting position thereof.



(Compl. Specn. : 28 pages)

Drgns : 4 sheets)

Cl. : 78

179054

Int. Cl. : A 01 K 3/00.

#### A SENSORY FOR TAUT, WIRE FENCE INTRUSION DETECTION.

Applicant : PREETI MATHUR, OF C/O A. B. MATHTJR,  
FLAT MO. 12 57, ELLIOT ROAD, CALCUTTA-700 016.  
WEST BENGAL, INDIA.

Inventor; VIVOD PRAX/SH.

Appl. No. 19, C.I. filed on 6th April, 1993.

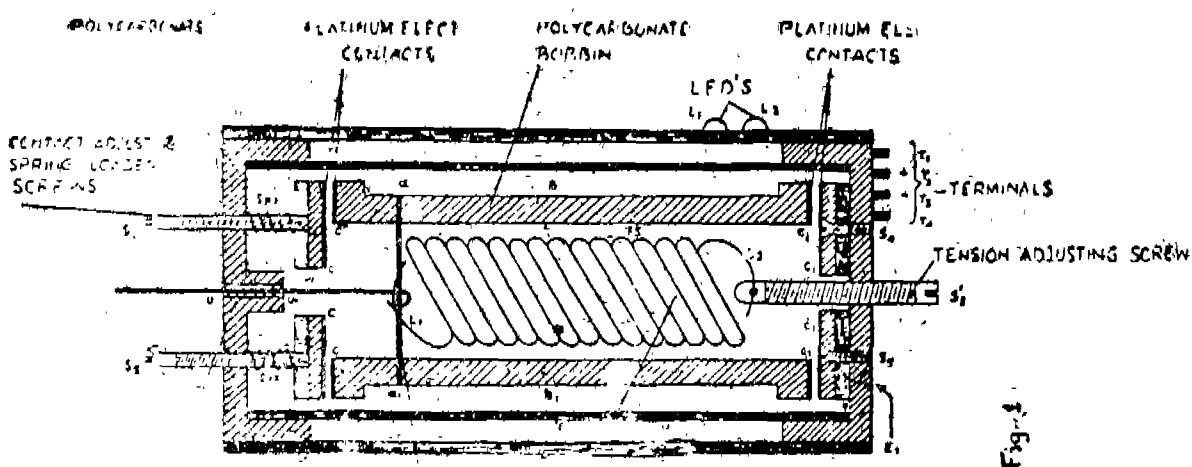
(Conii.) = Specified Date: 4th April, 1994).

Appropriate Officer for Opposition Proceeding! (Rule 4, Patent Rule H7.), Patent Office Calcutta.

#### 6 Claims

A sensor for taut wire fence intrusion detection, which is of relatively simple, rigid, weather/tamper-proof construction, and capable of providing audio-visual alarms at a distant location, in the event of any fence intrusion, comprising a flexible spring TS held firmly and substantially concentrically inside a cylindrical hollow bobbin BB of metrically insulating, TOP Serial, which is held floatingly and substantially concentrically inside a substantially cylindrical housing HH having two covers EI, made of an

electrical insulating material, one at each of its two longitudinal ends, termed 'free end' and 'fixed end'; two annular metallic discs CC, CJ, CI connected internally to the power line of a dc power supply being fixed one at each longitudinal end of said bobbin; on one annular metallic disc CI being fixed to the inside surface of the cover at said fixed end of the housing; one annular metallic disc CC attached to an annular disc made of an electrical insulating material being held inside the housing in a position facing the metallic disc CI tied at the adjacent longitudinal end of the bobbin, by means of two spring-loaded screws SS, protruding two threaded holes in the cover at the said free end of the housing in a manner to allow adjustment of the gap between the said two metallic disc, namely the one fixed to the adjacent longitudinal end of the bobbin and the other held by the spring-loaded screws, by turning the said spring-loaded screws the initial gap between the said two metallic discs can be adjusted to a preset value; a cotter arm fitted diametrically inside the bobbin end supported by the bobbin wall near its longitudinal end adjoining the cover at the free end of the housing, one end of the spiral spring and one end of a flexible wire protruding outside the housing through a bush UU, at the central part of the cover at the free end of the housing being linked/looped at the central part of said cotter; a screw SI provided with a lateral hole near its end inside the housing, protruding outside the housing through a threaded hole at the center H1, part of the cover at the fixed end of the housing and being looped with the end of the spiral spring lying adjacent the cover "at the fixed end of the housing through the said lateral hole in the screw by means of which the torsional lateral pressure applied to the taut wire linked to the said flexible wire outside the housing for operation of the sensor can be adjusted to a present level; one red LED LI and one green LED LG fitted on the outside surface of the housing and electrically connected to an in-built known electronic detecting and triggering circuitry provided with the sensor for producing visual indication of the operating state of the sensor during use; and at least four terminals Tj, Ta, Ts, Tg provided on outside surface of the cover at the said fixed end of the housing for electrically connecting a dc power supply and also the said in-built known electronic detecting and triggering circuitry with the sensor.



S.S. FOR STAINLESS  
FLEXIBLE CABLE

PIN

STAINLESS STEEL  
TENSION SPRING

(Compl. Specn. 14 pages;

(Prov. Specn. 06 pages;

Drgns. Nil.)

Drgns. 02 sheets.)

O.,.. 112 F

17W5S

Cl. : 187 C4

179056

Int. a. : H 04 Q 5/02, 3/78.

## LIGHTING APPARATUS.

Applicant : OPTICAL &amp; TEXTILE LIMITED, OF 1 HYDE PARK PLACE, LONDON W 2, UNITED KINGDOM.

Inventor : DEREK CROSBY LIGHTBODY.

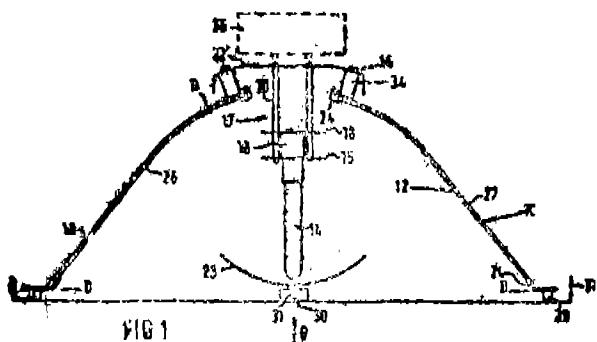
Application No. 200/Cal/1993 filed on 7th April, 1993.

(Convention No. 9208338.5 on 15-04-1992 &amp; 9214193.6 on 03-07-1992 in United Kingdom).

Appropriate Offc^ for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 12 Claims

A lighting apparatus for illuminating R subject without causing an appreciable shadow, which apparatus comprises a holder (16) for holding a lamp, a reflector (12) for reflecting light from the lamp towards the subject, an element (23) located in front of the lamp for preventing light from passing directly from the lamp onto the subject, which reflector (12) comprises a reflecting surface at least 500 mm in diameter and composed of a plurality of convex domed light reflecting elements\* (28) having a diameter or from 0.5 mm to 20 mm, said light reflecting elements constituting at least 90% (by area) of the reflecting surface.



A SUBSCRIBER IDENTITY MODULE FOR USE WITH A SUBSCRIBER UNIT OF A MOBILE TELEPHONE SYSTEM.

Applicant : COMVIK GSM AB, OF P.O. DOX J23, S-126 HAGERSTEN, SWEDEN.

Inventors : IULIN TOMAS.

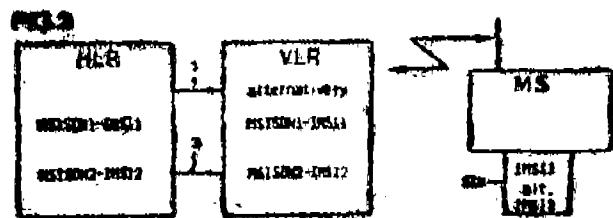
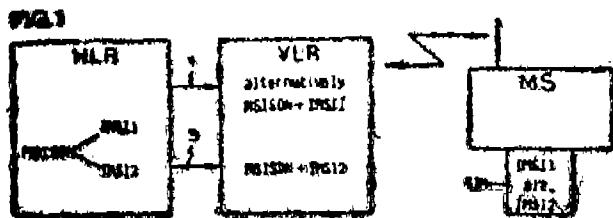
Application No. 204/Cal/1993 filed on 8th April, 1993.

(Convention No. 242 272 on 8-4-92 in New Zealand).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Cakui,;.

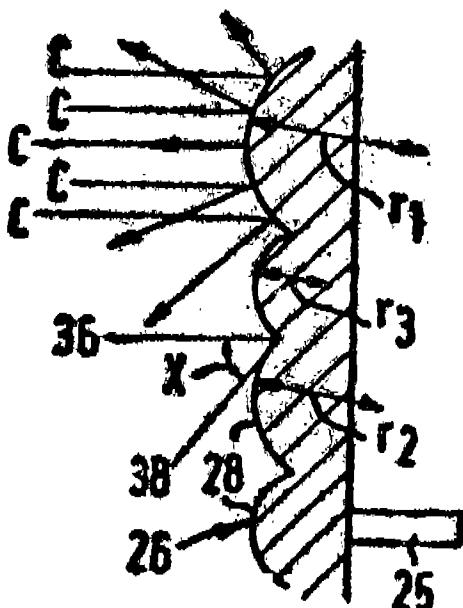
## 5 Claims

A subscriber identity module for use in controlling subscriber units in a telephone system, preferably a mobile telephone system comprising modular means, characterized in that, it comprises at least two identities as described and illustrated in the drawing (IMSI 1 and IMSI 2) which are selectively activatable by said modular means."



(Compl. Specn. 11 pages;

Drgns. 3 sheets.)



(Compl. Specn. 10 pages;

3 -197 GI/97

Drgns. 2 sheets.)

Cl. : 32 E

179057

Int. Q. : C 08 J 7/12, A 61 B 5/06.

A METHOD FOR PRODUCING A MODIFIED SURFACE OF AN ORGANOPOLY SILOXANE SUBSTRATE,

Applicant : GENERAL ELECTRIC COMPANY, OF 1 ROVER ROAD, SCHENECTADY 12345, NEW YORK, UNITED STATES OF AMERICA.

Inventor : ROLF RAINER SIEGEL,

Application No. 271/Cal/1993 filed on 13th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Cukufn.

## 14 Claims

A method for producing a modified surface of an organopolysiloxane substrate comprising :

- contacting in a known manner the surface of the substrate with a solution, or suspension of alkali metal hydroxide
- washing the surface
- contacting the surface with an ion-containing solution or suspension such as herein described in
- washing the surface.

if desired contacting the surface with a different ion-containing solution or suspension and then washing the surface.

(Compl. Specn. 21 page?;

Drgs. Nil)

Q. : 128 H

179038

Int. O. : A 61 J 3/00, A 61 P 5/47.

AN APPARATUS FOR MAKING A TUBULAR MEDICINAL CAPSULE INSTALLED ON A ROD-LIKE SUPPORT.

Applicant : LEIRAS OY, OF PANSIONATIE 43-47, 8F-20210 TURKU, FINLAND.

Inventors : (1) TIMO HHLLE,  
(2) ROLF HARTZELL,  
(3) PJUKKA NJEMTNEN,  
(4) PEKKA LANKINEN. -

Application No. 412/Cnl/1993 filed on 19th July, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) •Pr.tent Office Calcutta.

## 2 Claims

An apparatus for making a tubular medicinal capsule (1), installed on a rod-like support (3). said capsule being preferably a coated medicament, such as contraceptive capsule and said rod-like support (3) being preferably an arm of an anchor-like suspender, said apparatus comprising ;•

- a connecting mould (4), which is provided with a through-opening (5) and being dividable into two or more parts (4/4") relative to at least one plane through the opening, the length of the opening exceeding the length of the capsule;
- a mandrel (6) insertable into the opening (5) of the connecting mould and withdrawable therefrom at one end of the opening, the outer diameter of which mandrel essentially corresponds to the inner diameter of the tubular capsule, and the length of which essentially corresponds to the length of the capsule;
- a pressure needle (7) insertable into and withdrawable from the opening (5) of the connecting mould at the end opposite to the mandrel (6) inlet end the tip of the pressure needle being open and the outer-diameter of it essentially corresponding to the inner diameter of the tubular capsule;
- means for inserting the support (3) into the connecting mould opening (5) from the same end as the mandrel, as well as for withdrawing the support therefrom;
- control means for controlling the mutual operation of the parts (4/4") of the connecting mould (4), the mandrel (6), the pressure needle (7) and the insertion means of the support (3); and
- pressure means for pressurizing the pressure needle (7).

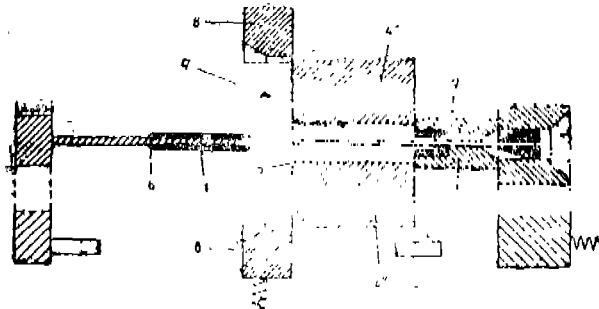


Fig. 1

(Compl. Specn. 9 pages:

Drgs. 4 sheets)

Cl. : 95 K

179Q®

Int. Q.\* : B 25 B 23 ,U.

## A SELF-ADJUSTING, SELF-CLAMPING WRENCH.

Applicant & Inventors : MR. CHANDRAKANT VRAJ-LAL SOLANKI AND MRS. TRUPTI HITENDRA SOLANKI, OF OWNER'S COURT, 415 B MOULAI LANE, CALCUTTA-700 016, WEST BENGAL, INDIA.

Application No. 421/Cal/1993 filed on 22nd July, 1993.

Appropriate Office for Opposition Proceeding! (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 7 Claim\*

A self-adjusting, self-clamping wrench which comprises

- (1) a first and second jaw member\*;;
- (ii) a handle extending longitudinally outwardly from said first jaw member;
- (iii) said first jaw member and handle being pivotally connected to each other through a rivet;
- (iv) said first jaw member having a first jaw and extending through a web into a pair of spaced apart walls for accommodating said handle therebetween, a guide rail on the inner surface of at least one of the walls;
- (v) said second jaw member being provided in a slidable relationship to said first jaw member, and being of a generally L-shape configuration in side elevation and having a second jaw cooperating with said first jaw;
- (vi) said second jaw extending into a web, the face of the web in the proximity of the second jaw having a longitudinal groove for slidably engagement with the rail of said first jaw member, a rack at the opposite face of said web;
- (vii) the handle having a frontend with a wavy end rack in constant engagement with the rack of said second jaw member;
- (viii) means to bias said first jaw member toward said second jaw member characterised in that the biasing means comprises a recess in at least one wall of said first jaw member for housing a helical spring therein, one end of said spring held within a hole provided in said first jaw member, the opposite end of said spring held to said handle, said spring positioned around said rivet.

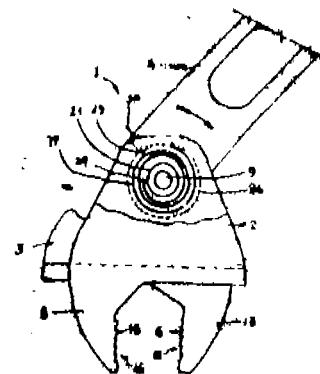


Fig. 2

(Compl. Specn. 18 pages;

Drgs. 3 sheets.)

d. : 18+56 £+152 E 179060

Int. Cl> : C 08 C 95/00

C 10 C 3/00, 3/04, 3/18.

#### A-PROCESS FOR THE MANUFACTURE OF SULPHONATED BITUMEN.

Applicant & Inventor : SHAKTI RANJAN MISRA, OF 18C/51 PRINCE ANWAR SHAH ROAD, CALCUTTA-700 045, WEST BENGAL\* INDIA.

Application No. : 547yCai/1993 filed on 20th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

#### 8 Claims

A process for the manufacture of sulphonated bitumen for industrial and constructional applications comprising the step\* of :

i. subjecting commercially available oxidised asphalt or paving grade asphalt such as herein described to heating at high temperature of between 160°C-250°C and blowing air by a rotary compressor into the heated mass in an air blowing column for a time sufficient to substantially remove the impurities such as sulphuric acid contained in the asphalt totally;

ii. adding to the reaction mass a catalyst selected from ferric chloride, mineral acid or other acid\* selected from phosphoric acid and sulphuric acid in a proportion of 5-75% b/w of the reaction mass;

iii. removing the reaction mass from the air blowing column after the same has attained a softening point of between 135 and 180°C;

iv. adding the reaction mass thus produced, furnace oil or bitumen of 180/200 and 175/225 sand\* » cut 1B Urn proportion at 3-75% b/w of the reaction mass;

optionally adding additives such as rubber based soap and micro-crystalline wax.

Compl. Specn : 12 Pgs;

Orgn : Mil.

CL : 173 B 179061

Int. CL : B 05 B 15/04.

#### METHOD AND APPARATUS FOR INTERMITTENTLY APPLYING PARTICULATE POWDER TO A FIBROUS SUBSTRATE.

Applicant : MCNEIL-PPC, INC., OF VAN LIEW AVENUE, MILLTOWN, NJ08850, UNITED STATES OF AMERICA.

Inventor : KENNETH ANTHONY PELLEY.

Application No. : 859/Cal/1972 filed on 25th November 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

#### 18 Claims

An apparatus (10) for applying particulate powder material to a substrate of fibrous material comprising :

conveyor (50) means for supporting and moving said fibrous substrate in a horizontal path at a predetermined rate;

feeder (22) means having an inlet means and an outlet (30) means, said inlet means being adapted to receive said particulate powder material and said outlet means being adapted to generate a continuous stream of said particulate powder material; and

diverter (36) means disposed above said conveyor means for separating the continuous stream of particulate powder material (51) into first and second intermittent streams of curate powder material, said first intermittent stream being

applied to said moving fibrous substrate (58) at said predetermined rate and at a predetermined location of said fibrous substrate to form a layer of particulate powder material within a predetermined portion of said fibrous substrate; characterized in that the rotatable metering screw (26) mounted in the feed hopper (24) to discharge an accurately metered quantity of particulate powder through outlet (30) and the diverter (36) comprising a nozzle (38) pivotally mounted (44) to oscillate between the first (47) and second (49) positions of two intermittent streams (51, 53) of particulate powder.

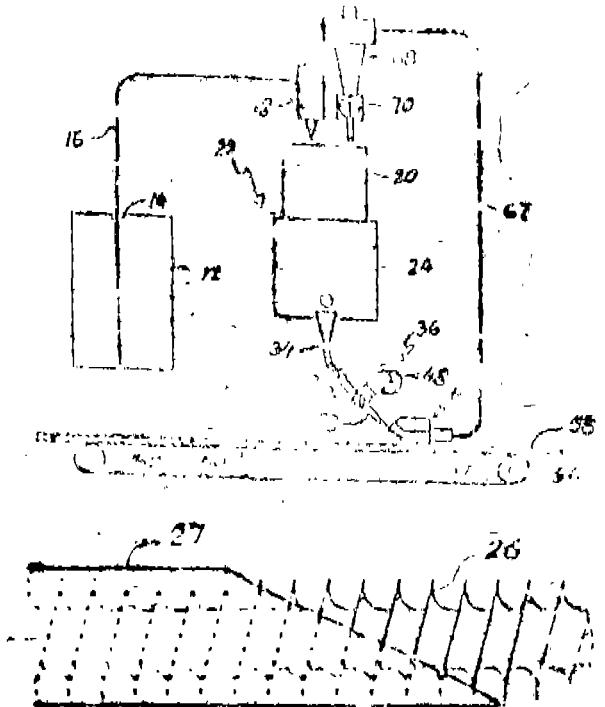


Fig. 3

Compl. Specn : 24 pages

Drgns : 3 sheets

Ct. : 32 B

179062

Int. Cls\* : C 08 G 63/62, C 08 L 69/00.

#### A PROCESS FOR PREPARATION OF AROMATIC COPOLYCARBONATE FROM RESORCINOL.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 12345 NEW YORK, UNITED STATES OF AMERICA,

Inventor : PAUL CLETUS RAYMOND.

Application No. : 924/Cal/1992 filed on 28th December, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

#### 4 Claims

A process for preparation of aromatic copolycarbonates from resorcinol having from about 2 to 30 mole % of the total repeating carbonate units derived from resorcinol which comprises reacting a dihydric phenol and resorcinol with a carbonate precursor such as herein described under interfacial conditions wherein the amount of said resorcinol is sufficient to provide from about 2 to 30 mole % resorcinol derived carbonate units of the total carbonate units, and wherein said dihydric phenol and said resorcinol are reaction formulation which is purged with an inert gas prior to reaction with the carbonate precursor.

Compl. Specn. 11 pages;

Drgns : Nil.

Cl. : 108 CB 179063

In\*. Cl.<sup>1</sup> : C21B 13/00.

A PROCESS FOR PRODUCING LIQUID IRON BY HEATING AND MELTING SPONGE IRON IN LUMFI FORM AND AN APPARATUS FOR THE SAME.

Applicant : KORTEC AG., OF BAARERSTRASSE 21, CH-6300 ZUG SWITZERLAND.

Inventor : WILLIAM WELLS.

Application No. 292/Cal/1993 filed on 26th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

### 13 Claims

A process for producing liquid iron by heating and melting sponge iron in lump form in which the sponge iron is charged into preheater,

heated therein by passing hot gases\* as herein described through the charge in heat exchange relationship,

then passed from the preheater on to a coke bed heated by means of oxygen or hot air in a cupola and there melted, and

the molten material after passing through the coke bed is collected in the lower part of the melting furnace, where-

the hot gas for the preheater is at least partially obtained from the waste gas of the melting furnace,

characterised in that

the operation of heating the sponge iron in the preheater is effected in at least two separate preheating stages at different temperatures, having range between 250°C to 900°C to which the sponge iron is successively fed, and in which the temperature and the atmosphere are respectively individually controlled by a temperature sensor and a gas sensor in such a way that, by virtue of the temperature and the composition of the plurality of hot gases which are introduced into the preheating stages, a chemically neutral gas atmosphere is set in the first pre-heating stage at the lowest temperature and a reducing gas atmosphere is set in the last preheating stage at the highest temperature.

Compl. Specn : 13 pages

Drgm. : 1 sheet

O. : 136 E

17906+

Int. Q. : B If C 49/28, 49/64.

METHOD FOR REHEATING COLD PREFORM BLANKS FOR THE MANUFACTURE OF PLASTIC HOLLOW ARTICLES BY BLOW MOLDING AND APPARATUS FOR CARRYING OUT SUCH METHOD.

Applicant : BEKUM MASCHINENFABRIKEN GMBH, OF LANKWERZER STRASSE 14-15, 1000 BERLIN 42, GERMANY.

Inventors :

- (1) FRANZ GITTNER.
- (2) UWE-VOLKER ROOS.

Application No. 308/Cal/1993 filed on 3rd June, 1993.

(Convention No. 2093, 846 on 13-4-93 in Canada).

Appropriate Office for Opposition Proceedings\* (Rule 4, Patent Rule 1972), Patent Office Calcutta.

### 14 Claims

A method for reheating cold preform blanks, for the manufacture of plastic hollow articles by blow molding wherein said blanks are conveyed through heating and cooling sections and sequentially are introduced to a blow mold

apparatus for inflation of said preform Wank\* into hollow articles, the method comprising the steps of :

- (a) Rotating said preform blank\* while conveying them along a predetermined path whereby said preform blanks are first conveyed through a temperature equalizing section then through a heating/cooling section and finally through a surface treatment and tempering section;
- (b) Heating said preform blanks on one side of said path and simultaneously cooling them on the opposite side of said path while continuing to convey them along said path in said heating/cooling section; and
- (c) Exposing said preform blanks to heated air contained within a substantially enclosed space\* while continuing to convey them along said path in said surface treatment and tempering section,

(Compl. Specn. 25 pages;

Drgm. 1 \*taet.)

a. : 76 I

1,7\*«3

Int. Cl.<sup>4</sup> : E 05 B 59/06.

### LATCH AND LOCKSET SYSTEM.

Applicant : HQPPE AG, OF CH-7537 MUSTAIR, SWITZERLAND.

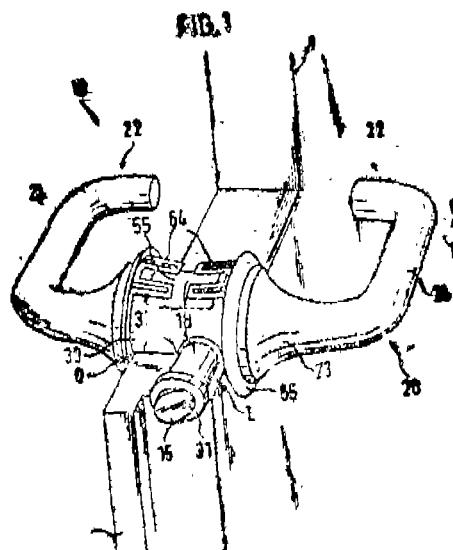
Inventors :

- (1) FRIEDRICH HOPPE
- (2) HEINZ-ECKHARD ENGEL.

Application No. 313/Cal/1993 filed on 8th June, 1993.  
Appropriate Office for Opposition Proceedings\* (Rule 4, Patent Rule 1972), Patent Office Calcutta.

### 20 Claims

Latch and lockset system including a lockset (10) for mounting in two bores (L, Q) the axes of which intersect substantially perpendicularly thereby defining a common horizontal plane in a door panel (T), the lockset (10) comprising a pair of opposed handles\* (22), each handle\* (20) having a neck (23) and further comprising socket (30) seated in a rotor (40), a catch (50) of which acts upon a spring-biased bolt (15) that extends through a guide sleeve (18) in a longitudinal bore (1) and is movable along an axis (V) of longitudinal movement, characterised in that lockset (10) with socket (30), rotor (40), catch (50), and handle pair (22) form a common unit adapted to be mounted as a whole by insertion in the transversal bore (Q) upon the common unit is fastened in the door panel (T) by attaching the guide sleeve (18) through the longitudinal bore (L) to the socket (30) and the bolt (15) is inserted through the guide sleeve (18) to lock in the catch (50).



(Compl. Specn. 15 pages;

Drgm. 6 sheets)

CJ. : 127 D

173D66

179067

Int. Cl.\* : F 16 H 3/16, 3/22,

## SU&amp;PT ENABLE CONTROL SYSTEM.

Applicant : EATON CORPORATION, OF 1111  
SUPERIOR AVENUE, CLEVELAND, OHIO 44114,  
UNITED STATES OF AMERICA.

Inventors :

- (1) RONALD KEITH MARKYVECH
- (2) THOMAS ALAN GENISE.

Application No. 335/Cal/1993 filed on 16th June, 1993.

Appropriate Office for Opposition Proceeding\* (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 7 Claim\*

A control system for controlling the at least partially automated implementation of selected shifts of a vehicular mechanical change gear transmission system comprising a controlled fuel throttle controlled engine (E) having a determined torque capacity, a multi-speed change gear mechanical transmission (10) having a plurality of known gear ratios, an input shaft (16) and an output shaft (90), adapted to drive vehicular drive wheels, a first sensor (98) for providing a first input signal indicative of transmission input shaft (16) rotational speed, a second sensor (100) for providing a second input signal indicative of vehicle speed, a third sensor (DL) for providing an input signal indicative of engine torque and a controllable transmission retarder (112, 70, 96) for controlling shifting of the transmission, said control system characterized by:

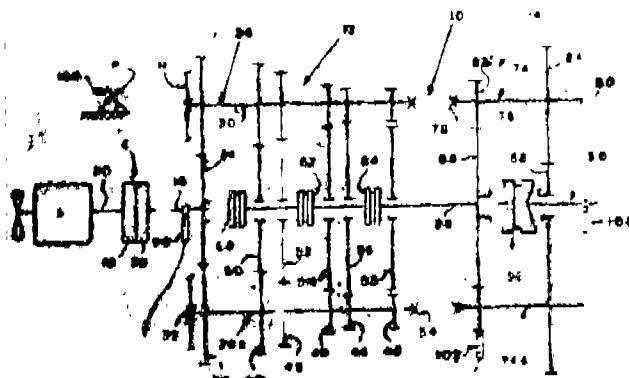
means (ECU 106) for storing a value indicative of a predetermined minimum acceptable vehicle acceleration after an Upshift ( $A_o$ ),

means (ECU 106) for determining the desirability of a shift from a currently engaged transmission ratio to a target transmission ratio,

means (ECU 106) for determining as a function of at least currently engaged gear ratio and said input signals indicative of (i) current engine torque and (ii) current vehicle acceleration, the expected drive wheel torque ( $T_u$ ) to maintain at least said minimum vehicle acceleration ( $A_o$ ) under current vehicle operating conditions and at zero engine torque to the drive wheels;

means (ECU 106) for determining as a function (i) expected drive wheel torque ( $T_u$ ) to maintain at least said minimum vehicle acceleration ( $A_o$ ) under current vehicle operating conditions, (ii) the gear ratio of the selected target gear ratio and (iii) the expected maximum available torque to the drive wheels in the target gear ratio, the feasibility or infeasibility of achieving substantially synchronous condition for engagement of the target ratio if the selected shift is implemented, and

means (ECU 106) for causing the initiation of a Reacted shift only upon a determination of feasibility of achieving substantially acceptable condition for engagement of the target gear ratio.



(Compl. Specn. 20 pages;

Drgns. 5 sheets)

O. ; 188

Int. Q.- ; H 01 L 21/20.

## APPARATUS AND PROCESS FOR COATING SUBSTRATES IN SEMI-CONDUCTOR PRODUCTION.

Applicant : STEAG MICROTECH GMBH, OF CARLBENZ-STRABE 10, D-72124 PLIEZHALISEN, GERMANY.

Inventori :

- (1) EBERHARD MUHLFRIEDEL
- (2) MARTIN KALLIS
- (3) KARL APPICH.

Application No. 531/Cal/1993 filed on 10th September, 1993.

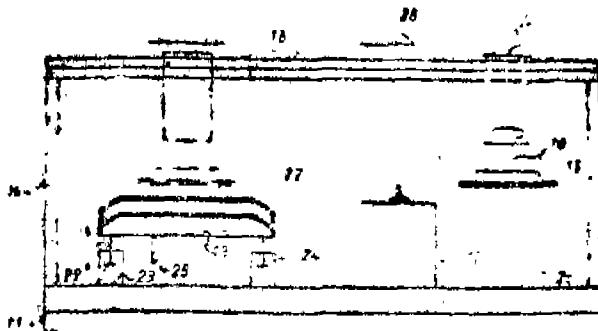
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 13 Claim\*

Apparatus for coating substrates in semi conductor production in two steps, characterized in that, it comprises:

a capillary means for precoating A surface to be coated of a substrate with a coating of a coating medium; and

a means for spinning the substrate so as to make the coating more uniform and thinner in a spinning operation.



(Compl. Specn. 12 pages;

Drgns. 3 sheets)

CI. : 116 C

17»W»

Int. Cl.\* : B 65 G 33/14

## "TRANSPORTING DEVICE."

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBAKERPLATZ, 8000 MUENCHEN 2, GERMANY.

Inventory : 1. HARTMUT HERM, 2. KARL MAY, 3. KARLHEINZ UNVERZAGT.

Application No. 53S/C61/1993 filed on 13th September, 1993.

Appropriate office for opposition proceeding\* (Rule 4, Patent Rule 1972) Patent Office Calcutta.

## 11 Claims

Transporting device having a conveyor worm (3) which is rotatable about its longitudinal axis and is disposed in a housing (6) exhibiting a feed opening (7) and a discharge opening (8), characterized in that in one portion of the housing (6) the conveyor worm (3) has a part-element (3a) having a higher pitch than elsewhere, laid part-element (3a) being disposed between two part-elements\* of the conveyor worm (3) having a lower pitch.



amendment of specification of their application for Patent No. 177327 for "A process for conversion of organic compound using; crystalline-titanium'silicate kieve zeolite."

Amendments are by way of change of address of the applicant and inventor i.e. STEVEN MITCHELL KUZNICKI.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta 700 020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

#### RENEWAL FEES PAID

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CAL-26, DEL-NTL, MUM-04, CHEN-NIL

Patent shall be deemed to be endorsed with the word LICENCE OF RIGHT Under Section 87 of the Patent Act, 1970 from th; date of expiration or three years from the date Of sealing.

D Drug Patent?

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act. 3911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 171295, Chrysler Corporation, incorporated In • Delaware, USA, of 12000 Chrysler Dr., H'sh-lnd Pitt MI 48^88-1919, U.S.A., "Automobil\* Body", 9th May 1996,

Class 1. No. 171264 to 171269. Chrsler Corporation, incorporated in Delaware, U.S.A- of 17000 Chrvi- W Dr.. Hiehlmd Park. MI 48288-1919, U.S.A., "Automobile Body", 6th May 1996.

Clues 1. No. 172346. Dr. Beli- Ram ft Soni rMre), 3/17, Asaf AH Rond New T>hi 110002, India, a proprietorship firm, "Weighing Machine", 14th October 199fi.

Class 1. No" 171096. T nlliMkH Amihr-irid T imtted, 48/50 Kinvira Chawl. KalVnrWi Rd. Rnmhav ^010(12. Mahamshtva Indin, "Control Valve for Pressure Cooker", 15th April 1996.

CIPSN 1, No. 171097. T-Llhnhai Amichin'i limited, 48/50 Kanwrn Chnwl. Kf^badevi Rd. Bombay 400002, Maharashtra, India. "Control Weiht for Pressure Cooker", 15th April 1996.

Class 1, No. 171450. LnlibTi.-i \mlchand Limited, 48/50 Knnsara Chawl. Kalbadevi Rd.. Bombay 400002, Maharashtra, India, "Hand Washer", 6th June 1996.

Class 3. No. 171121. Th» Procter & GamWe Commany of OHP Procter & Gflmble Plu/n. Cinonnfi State of Ohio. U.S.A., "Bottle". 17th April 1997.

Class 3. No, 171224. Core Health Care Ltd., having its rrcd. office at Core Tower. Nr. Pnimal Crossing, Eiiisbndjze. Ahmdahad 380006, Gujarat, India, "Syringe & Needle Destroyer", 30th April 1996.

Class 3. Nos. 169881 & 169884, Asian Micro Sources Inc., a corporation of the State of California, U.S.A. of 329 Rheem Boulevard. Moraga, California 94556, U.S.A., "AC Modular Plug", 21st September 1995.

Class 3. No. 172200, Singer India Ltd.. having its reed, office at 3 Devika Road, 6 Nehru Place. Delhi- 110019. India "Mixie", 17th September 1996.

Class 3. No. 172157, Crystal Plastics & Metallizing Pvt. Ltd., having its reestPi-ed offco at Onchi House, Palkhi Gnili. Off Veer Savrkar Marc, Prabha-devi, Mumbai 400025, Maharashtra, India, "Comb", 17th September 1996.

Cläss 3, No 172124. Kim Krafts Pvi. Ltd., havinc its regd. office at 20. Patpanrani. Delhi 110091, Indk "Jewellery Display Unit", 11th September 19\*

Class 3. No. 170958, Black & Decker INC, n, Delaware corp, of Druimond Plaza Office Park, 1423, Kirkwood Highwa, Newark, Delaware 19711, "U.S.A., "PortaWe • Fan", 25th March 1996.

Class 1. No. 171328, Eicher Tractors Engineering Centre, Plo: No. 8, Sector-4, BaUabh<sup>carh</sup> 121004, Haryana, India, "Tractor", 13th May 1996,

Class 1. No. 171339, U. P. National Manufacturers Ltd., of Rarakatora Road, P.O. Box. 1068, Varanasi-221001, U.P., Tndia, "Vertical Pump", 16th May 1996.

Clais 1. No. 170083, India Sanitary Industries, 1830, Lai Darwaza, B; far Sirkialan, Lai Kuan, Delhi-110006, Indi", an Indian partnership firm, "Auto Siphom", 30th October 1995,

Clasi 3. No. 170351, Colgate-Palmolive Company, a Delaware coip. of 300 Park Avenue, New York, New York-10022, U.S.A., "Dispenser", 6th December 1995.

Class 3. No. 170362. Klaus Equipment Pvt. Ltd., of 4th floor 167 Dr. Annie Besant Roâd, Wprli, Bombay-400018. Maharashtra, India, "Printer", . 8th December W95.

Claw 3, No. 169943. MAPCO Structural Foam Pvt HA.. «t No. 36-B, Ragava Ratna Towers, Chirac Ali l^ne, Hyderabad 500001, A.P., India, Multi-purpose Stand", 29th September 1995.

Clam 4, Noiv. 172256 & 172257, Pedder & Pedder Tiles Ltd., having office at 603, Keshava, Bandra-Kurla Complex, Bandra, (F.), Mumbai 400051, Maharashtra\*, (ndia, "Tik", 26th September 1996.

Class 4. Nos. 172421, Pedder & Pedder Tiles Ltd., having office at 603, Keshava, Bandra Kurla Complex, Bandra (E), Mumbai 400051, Maharashtra, IndU> "Tile", 17 October. 1996.

Clan 4. No. 171213, Amrut Distilleries Ltd., an Indian company at 36 Sanapanei' Tank Road, Bangilor\*-560027, Karnataka, India, "Bottle", 30th April 1996.

T. R. SUBRAMANIAN  
Coatroller General of P»t»nt, Detign & Trade Mark\*